

Amendments to the Specification:

Please replace the paragraph beginning at page 7, line 28 with the following amended paragraph:

Figure 32 is a diagram showing the ClustalW alignment of mouse (SEQ ID NO:73), rat (SEQ ID NO:74) and human (SEQ ID NO:72) orthologs of r0v0-176.7A [PA27].

Please replace the paragraph beginning at page 25, line 10 with the following amended paragraph:

Stanniocalcin precursor, acc: U25997 [PA23; SEQ ID NO:75]

This is a secreted glycoprotein (SEQ ID NO:76) that has been suggested to be involved in calcium and phosphate regulation (*see, Olsen et al., 1996, Proc. Natl. Acad. Sci. 93:1792-1796*). Previous studies have shown it is expressed in the kidney and in thymic stromal cells (*see, Wagner et al., 1995, Proc. Natl. Acad. Sci. 92:1871-1875*). It is upregulated in endothelial cells differentiating into tube-like structures. This suggests that stanniocalcin may be involved in endothelial tube formation. Since it is a secreted hormone, this suggests the existence of a receptor for stanniocalcin that may be used as a target to block tube formation. Neutralizing antibodies to stanniocalcin (SEQ ID NO:76) may be useful as therapeutic molecules because they bind to stanniocalcin and thereby remove it from the immediate cellular environment.

Stanniocalcin precursor (SEQ ID NO:75)

CAGTTTGCAAAGCCAGAGGTGCAAGAAGCAGCGACTGCAGCAGCAGCAGCAGCAGCGG
CGGTGGCAGCAGCAGCAGCAGCGGCGGCAGCAGCAGCAGCAGCGGAGGCACCGGTGGCA
GCAGCAGCATCACCAGCAACAACAACAAAAAAATCCTCATCAATCCTCACCTAAGC
TTTCAGTGTATCCAGATCCACATCTTCACTCAAGCCAGGAGAGGGAAAGAGGAAAGGGG
GGCAGGAAAAAACAACCAACAACCTTAGCGGAACTTCTCAGAGAATGCTCCAAAA
CTCAGCAGTGCTTCTGGTGCTGGTGATCAGTGCTTCTGCAACCCATGAGGCGGAGCAGA
ATGACTCTGTGAGCCCCAGGAAATCCCGAGTGGCGGCTCAAACTCAGCTGAAGTGTT
CGTTGCCTCAACAGTGCTCTACAGGTCGGCTGCGGGCTTTTGCATGCCTGGAAACTC

CACCTGTGACACAGATGGGATGTATGACATCTGTAAATCCTTCTTGTACAGCGCTGCTA
AATTTGACACTCAGGGAAGCATTCGTCAAAGAGAGCTTAAAATGCATCGCCAACGGG
GTCACCTCCAAGGTCTTCCTCGCCATTTCGAGGTGCTCCACTTCCAAAGGATGATTGC
TGAGGTGCAGGAAGAGTGCTACAGCAAGCTGAATGTGTGCAGCATCGCCAAGCGGAACC
CTGAAGCCATCACTGAGGTTCGTCCAGCTGCCCAATCACTTCTCCAACAGATACTATAAC
AGACTTGTCCGAAGCCTGCTGGAATGTGATGAAGACACAGTCAGCACAATCAGAGACAG
CCTGATGGAGAAAATTGGGCCTAACATGGCCAGCCTCTTCCACATCCTGCAGACAGACC
ACTGTGCCCAAACACACCCACGAGCTGACTTCAACAGGAGACGCACCAATGAGCCGCAG
AAGCTGAAAGTCTCCTCAGGAACCTCCGAGGTGAGGAGGACTCTCCCTCCACATCAA
ACGCACATCCCATGAGAGTGCATAACCAGGGAGAGGTTATTCACAACCTCACCAAATA
GTATCATTTTAGGGGTGTTGACACACCAATTTTGAGTGTACTGTGCCTGGTTTGATTTT
TTTAAAGTAGTTTCTATTTTCTATCCCCCTTAAAGAAAATTGCATGAAACTAGGCTTCT
GTAATCAATATCCCAACATTCTGCAATGGCAGCATTCCCACCAACAAAATCCATGTGAT
CATTTCTGCCTCTCCTCAGGAGAAAGTACCCTCTTTTACCAACTTCCTCTGCCATGTCTT
TTCCCCTGCTCCCCTGAGACCACCCCCAAACACAAAACATTATGTAACCTCTCCAGCCA
TTGTAATTTGAAGATGTGGATCCCTTTAGAACGGTTGCCCCAGTAGAGTTAGCTGATAA
GGAACTTTATTTAAATGCATGTCTTAAATGCTCATAAAGATGTTAAATGGAATTCGTG
TTATGAATCTGTGCTGGCCATGGACGAATATGAATGTCACATTTGAATTCCTTGATCTCT
AATGAGCTAGTGTCTTATGGTCTTGATCCTCCAATGTCTAATTTTCTTCCGACACATT
TACCAAATTGCTTGAGCCTGGCTGTCCAACCAGACTTTGAGCCTGCATCTTCTTGATC
TAATGAAAAACAAAAGCTAACATCTTTACGTACTGTAACCTGCTCAGAGCTTTAAAAGT
ATCTTTAACAATTGTCTTAAAACCAGAGAATCTTAAAGTCTAACTGTGGAATATAAATA
GCTGAAAATAATGTACTGTACATAAATTCAGAGGACTCTGCTTAAACAAAGCAGTAT
ATAATAACTTTTATTGCATATAGATTTAGTTTTGTAACCTTAGCTTTATTTTTCTTTTCT
GGGAATGGAATAACTATCTCACTTCCAGATATCCACATAAATGCTCCTTGTGGCCTTTT
TTATAACTAAGGGGGTAGAAGTAGTTTTAATTCAACATCAAACTTAAGATGGGCCTGT
ATGAGACAGGAAAAACCAACAGGTTTATCTGAAGGACCCCAGGTAAGATGTTAATCTCC
CAGCCCACCTCAACCCAGAGGCTACTCTTGACTTAGACCTATACTGAAAGATCTCTGTC
ACATCCAACCTGGAATTCAGGAACCAAAAAGAGCATCCCTATGGGCTTGGACCACTTA
CAGTGTGATAAGGCCTACTATACATTAGGAAGTGGTAGTTCTTTACTCGTCCCCTTTCA
TCGGTGCCTGGTACTCTGGCAATGATGATGGGGTGGGAGACTTTCCATTAAATCAATC
AGGAATGAGTCAATCAGCCTTTAGGTCTTTAGTCCGGGGGACTTGGGGCTGAGAGAGTA
TAAATAACCCTGGGCTGTCCAGCCTTAATAGACTTCTCTTACATTTTCGTCTGTAGCA
CGCTGCCTGCCAAAGTAGTCTTGGCAGCTGGACCATCTCTGTAGGATCGTAAAAAATA
GAAAAAAGAAAAAAGAAAGAGGGAAAAAGAGCTGGTGGTTTGATCATTTT
TGCCATGATGTTTACAAGATGGCGACCACCAAGTCAAACGACTAACCTATCTATGAAC
AACAGTAGTTTCTCAGGGTCACTGTCTTGAACCCAACAGTCCCTTATGAGCGTCACTG
CCCACCAAAGGTCAATGTCAAGAGAGGAAGAGAGGGAGGAGGGTAGGACTGCAGGGGC
CACTCCAAACTCGCTTAGGTAGAACTATTGGTGCTCGACTCTCACTAGGCTAAACTCA
AGATTTGACCAAATCGAGTGATAGGGATCCTGCTGGGAGGAGAGGGGCACATCTCCAG
AAAAATGAAAAGCAATACAACCTTACCATAAAGCCTTAAAACCAGTAACGTGCTGCTC
AAGGACCAAGAGCAATTGCAGCAGACCCAGCAGCAGCAGCAGCAGCAGCAAAACATTGCTG
CCTTTGTCCCCACACAGCCTCTAAGCGTGCTGACATCAGATTGTTAAGGGCATTTTTAT
ACTCAGAACTGTCCCATCCCAGGTCCCCAACTTATGGACACTGCCTTAGCCTCTTG
AAATCAGGTAGACCATATTCTAAGTTAGACTCTTCCCCTCCCTCCACACTTCCACCC
CCAGGCAAGGCTGACTTCTCTGAATCAGAAAAGCTATTAAAGTTTGTGTGTTGTGTCCA

TTTTGCAAACCCAACTAAGCCAGGACCCCAATGCGACAAGTAGTTCATGAGTATTCCTA
GCAAATTTCTCTCTTTCTTCAGTTCAGTAGATTTCTTTTCTTTTCTTTTCTTTT
TTTTTTTTTTTGGCTGTGACCTCTTCAAACCGTGGTACCCCCCTTTTCTCCCCACGAT
GATATCTATATATGTATCTACAATACATATATCTACACATACAGAAAGAAGCAGTTCTC
ACATGTTGCTAGTTTTTTTGCTTCTCTTTCCCCCACCCTACTCCCTCCAATTCCCCCCTT
AAACTTCCAAAGCTTCGTCTTGTGTTTGCTGCAGAGTGATTCGGGGGCTGACCTAGACC
AGTTTGCAATGATTCTTCTCTTGTGATTGGTTGCACTTTAGACATTTTGTGCCATTAT
ATTTGCATTATGTATTTATAATTTAAATGATATTTAGGTTTTTTGGCTGAGTACTGGAAT
AAACAGTGAGCATATCTGGTATATGTCATTATTTATGTTAAATTACATTTTTTTAAGCTC
CATGTGCATATAAAGGTTATGAAACATATCATGGTAATGACAGATGCAAGTTATTTTAT
TTGCTTATTTTTTATAATTAAAGATGCCATAGCATAATATGAAGCCTTTGGTGAATTCC
TTCTAAGATAAAAATAATAATAAAGTGTTACGTTTTATTGGTTTCAAAAAAAAAAAAAA
AAAAAA

Stanniocalcin precursor (SEQ ID NO:76)

MLQNSAVLLVLVISASATHEAEQNDVSPRKS RVAAQNSAEVVRCLNSALQVGC
GAFACLENSTCDTDGMYDICKSFLYSAAKFDTQ GKAFVKESLKCIANGVTSKVF
LAIRRCSTFQRMIAEVQEECYSKLNVCSI AKRNPEAITEVVQLPNHFSNRYYNRL
VRSLLECD EDTVSTIRDSLMEKIGPNMASLFHILOTDHCAQTHPRADFNRRRTNE
PQKLKVLLRNLRGEEDSPSHIKRTSHESA